

IN THE CLAIMS:

Please amend the following claims:

7' 32. (Amended) A purified DNA fragment of HIV-1 having a *Bam*HI site at approximately 8150 and a *Bg*III site at approximately 9150, wherein the DNA fragment consists of a restriction fragment generated by the *Bam*HI site at approximately 8150 to the *Bg*III site at approximately 9150, and wherein said fragment is capable of hybridizing to the corresponding  $\lambda$ J19 restriction fragment under hybridization conditions of 20% formamide, 8X SSC, at 37°C, with washes in 2X SSC, 0.1%SDS, at 37°C. *low stringency*

33. (Amended) A purified DNA fragment of HIV-1 having a *Bam*HI site at approximately 8150 and a *Bg*III site at approximately 8750, wherein the DNA fragment consists of a restriction fragment generated by the *Bam*HI site at approximately 8150 to the *Bg*III site at approximately 8750, and wherein said fragment is capable of hybridizing to the corresponding  $\lambda$ J19 restriction fragment under hybridization conditions of 20% formamide, 8X SSC, at 37°C, with washes in 2X SSC, 0.1%SDS, at 37°C.

34. (Amended) A purified DNA fragment of HIV-1 having a *Kpn*I site at approximately 6100 and a *Bg*III site at approximately 6500, wherein the DNA fragment consists of a restriction fragment generated by the *Kpn*I site at approximately 6100 to the *Bg*III site at approximately 6500, and wherein said fragment is capable of hybridizing to the corresponding  $\lambda$ J19 restriction fragment under hybridization conditions of 20% formamide, 8X SSC, at 37°C, with washes in 2X SSC, 0.1%SDS, at 37°C.

35. (Amended) A purified DNA fragment of HIV-1 having a *KpnI* site at approximately 6100 and a *BglIII* site at approximately 8750, wherein the DNA fragment consists of a restriction fragment generated by the *KpnI* site at approximately 6100 to the *BglIII* site at approximately 8750, and wherein said fragment is capable of hybridizing to the corresponding  $\lambda$ J19 restriction fragment under hybridization conditions of 20% formamide, 8X SSC, at 37°C, with washes in 2X SSC, 0.1%SDS, at 37°C.

36. (Amended) A purified DNA fragment of HIV-1 having a *KpnI* site at approximately 6100 and a *BglIII* site at approximately 9150, wherein the DNA fragment consists of a restriction fragment generated by the *KpnI* site at approximately 6100 to the *BglIII* site at approximately 9150, and wherein said fragment is capable of hybridizing to the corresponding  $\lambda$ J19 restriction fragment under hybridization conditions of 20% formamide, 8X SSC, at 37°C, with washes in 2X SSC, 0.1%SDS, at 37°C.

37. (Amended) A purified DNA fragment of HIV-1 having a *KpnI* site at approximately 3500 and a *KpnI* site at approximately 6100, wherein the DNA fragment consists of a restriction fragment generated by the *KpnI* site at approximately 3500 to the *KpnI* site at approximately 6100, and wherein said fragment is capable of hybridizing to the corresponding  $\lambda$ J19 restriction fragment under hybridization conditions of 20% formamide, 8X SSC, at 37°C, with washes in 2X SSC, 0.1%SDS, at 37°C.

38. (Amended) A purified DNA fragment of HIV-1 having a *KpnI* site at approximately 3900 and a *KpnI* site at approximately 6100, wherein the DNA fragment consists of a restriction